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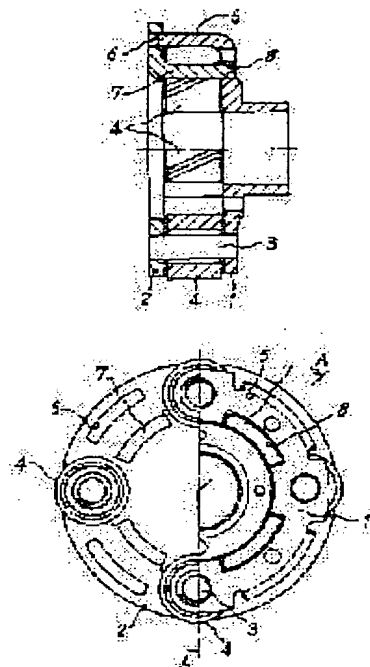
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(54) PINION CARRIER STRUCTURE FOR PLANETARY GEAR ASSEMBLY

(57)Abstract:

PURPOSE: To increase the joint strength between a pair of plates for laying a pinion shaft, as for the pinion carrier structure of a planetary gear assembly.

CONSTITUTION: A pinion gear 4 is supported in a turnable manner on a pinion shaft 3 which is axially supported between the opposed plates 1 and 2. When the plates 1 and 2 are joined, a leg part 5 which extends to the plate 2 is integrally shaped on the outer periphery of the plate 1 through the press work, and a leg part 7 which extends to the plate 1 is shaped integrally also on the inner periphery of the plate 2 through the pressing work, and the top ends of these leg parts 5 and 7 are fitting-fixed in the rectangular-shaped slot holes 6 and 8 in the circumferential direction on the opponent plates 2 and 1. Accordingly, the quantity of the leg parts for joining the plates 1 and 2 can be increased, and the joint strength can be increased drastically.



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